

**SWL**

**RisePorto450: 205 kg/450 lbs**

**RisePorto300: 140 kg/300 lbs**

RisePorto is a portable ceiling lift motor unit that is intended to be used in combination with appropriate accessories, such as rails systems and slings, to lift disabled persons. With the quick mounting the lift can easily be moved between different rail systems. The rail system can be a straight-rail system, with or without curves or a gantry system, and it is also possible to transfer the patient between two rooms.

Handicare's SystemRoMedic product series includes a range of lifts, slings and other accessories. SystemRoMedic adopts a holistic approach to patient transfers and is organized in four categories: transfer, positioning, support and lifting.



## Functional inspection

### Visual inspection

Inspect lift functions regularly. Check to ensure that material is free from damage.

### Before use:

Ensure that the product is correctly assembled.

Check rail end stops.

Check slingbar connection and safety latch function.

Check lifting movement.



## Always read the manual

Always read the manuals for all assistive devices used during a transfer.

Keep the manual where it is accessible to users of the product.

The user/attendant shall be trained professional with thorough understanding of the equipment and lifting of disabled persons.

It is strongly prohibited to change or modified the original RisePorto product.

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# Mounting

## Unpacking and check

The RisePorto package includes the following:

- 1 RisePorto lift unit
- 1 Hand control
- 1 Manual
- 1 Charger (for mounting on wall or rail)
- 1 Key for manual emergency lowering

Check to ensure that no parts have been left in the packaging.  
Check and ensure that the lift has no signs of damage after transportation.

### NOTE!

The RisePorto lifting unit and the RisePorto trolley must be installed and first-time inspected by authorized personnel (inspector) in accordance with the installation instructions provided by Handicare AB. Periodic inspection of the equipment should be undertaken at least once a year. Original spare parts should be used and service/maintenance of the equipment should be in accordance with the manual.  
The lift unit must be charged for at least 3 hours before use.

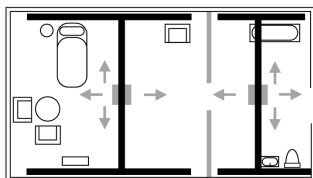
### Mounting of lift unit

When the carbiner of the lift unit is mounted to the trolley it must be controlled that the safety clutch of the carbiner has sprung back and rests against the frame.

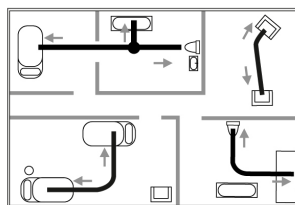
## Different rail systems

The choice of rail system is determined by lifting needs.

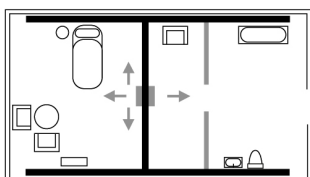
### H system in bedroom and bathroom



### Straight rail, curves, turntable



### H system above bathroom wall



### Freestanding straight rail



## Final inspection

- The RisePorto lifting unit and the RisePorto trolley must be installed and first-time inspected by authorized personnel (inspector) in accordance with the installation instructions provided by Handicare AB. Periodic inspection of the equipment should be undertaken at least once a year. Original spare parts should be used and service/maintenance of the equipment should be in accordance with the manual.
- Check to ensure no parts in package.
- Check and ensure that the lift has no signs of damage after transportation.
- Check emergency stop function by pressing the emergency stop, and then pressing either the up or the down button. If nothing happens when the up or down buttons are pressed, the emergency stop is functioning properly.
- Check the entire length of the strap for signs of damage and inspect seams for wear. Press the up button and run the strap all the way up. Then, press the down button and run the strap all the way down.
- Test lift function by lifting a person (not a patient) using an approved sling. At the same time, check both the manual and electrical emergency lowering function with someone in the lift. See section on Emergency lowering.
- Check to ensure that the rail system is equipped with end stops.
- Connect the charger and make sure that the battery symbol on the lift units information display lights up.
- Check the hand control cable for signs of wear.
- Check to ensure that hand control markings coincide with lift functions.
- The user/attendant shall always pay attention to and report any unusual noises or vibration of the equipment.

### NOTE!

Before the lift is used for the first time it must be charged for at least 3 hours. See section on charging the lift.

RisePorto is delivered with the emergency stop activated to ensure that the battery does not drain during transportation and storage. Remove the transportation clip before use. Activate the lift unit by pulling the emergency stop outwards until a click sound and a signal are heard.

Keep the manual where it is accessible to users of the product.

Always keep the key for mechanical emergency lowering close by the lift unit. Everybody who uses the lift unit shall be informed where the key is kept.

# Using the product



## Important information

- The RisePorto lifting unit is movable between different overhead rail systems by the user/attendant and the unit must only be connected to the RisePorto trolley using the carabiner hook.
- The user/attendant shall be trained professional with thorough understanding of the equipment and lifting of disabled persons. It is important that proper accessories and techniques are used by the user/attendant and it is also very important that a patient never is left unattended in a lifting situation.
- Warranty does not apply if repairs or alterations are made to the lift by personnel who are not authorized.
- RisePorto must not come in direct contact with water.
- The lift must not be charged in a wet room.
- To ensure optimal function, the lift must be inspected regularly. See section on Maintenance.
- Under no circumstances may safe working load be exceeded. See section on technical information and the product label on the lift.
- Lifting accessories must be properly fitted and tested in relation to the patient's needs and functional ability.
- Special care must be taken when using strong power sources, such as diathermy and similar so that for example diathermy cables are not placed on or near by the lift unit. If in doubt, contact the person responsible for the equipment or the supplier.

## Before use

- Inspect the lift for signs of wear and damage.
- Check the hand control cable for signs of wear.
- Check to ensure that hand control markings coincide with lift functions.
- Check battery charge level.

## Safe working load

### SWL

**RisePorto450: 205 kg/450 lbs**

**RisePorto300: 140 kg/300 lbs**

Different products on the same lift system (lift unit, sling and other lifting accessories) may have different allowable safe working loads. The lowest allowable safe working load always determines the safe working load of the assembled system. Always check the safe working loads for the lift and accessories before use. Contact your dealer if you have any questions.

## Description of functions and symbols

RisePorto has many different built in functions and each function is explained in its intended section in this manual. Below is a short explanation of the functions that are available to the care giver and to the patient.

- Electronic soft start and stop
- Electric and manual emergency lowering
- Emergency stop button on the lift casing
- Mechanical fall protection
- Overload protection
- LED symbol showing when service or maintenance is needed
- LED symbol showing battery status
- LED symbol showing that the lift unit is charging
- Built in carrying handles
- Retractable lifting hooks
- Room transfer strap

### Symbols



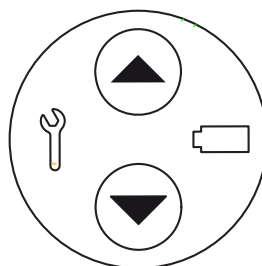
Symbol for battery status.



Symbol showing when the lift unit needs service or maintenance.

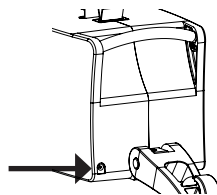


Symbol for emergency stop.



## Charging the lift unit

The lift unit is charged using a stand-alone charging unit that is connected to the lift unit via a DC plug. The charger is placed in an appropriate place. Remember that the charger is separate and easily can be mixed up with other chargers. Make sure to use the correct charger, see Technical information.



### Battery status

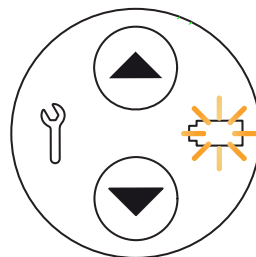
The battery symbol lights green when more than 50% of the capacity is left.

If the battery symbol on the lift unit's information display is blinking orange at start up, the battery needs charging.

If the battery symbol is constantly lit orange and a audio signal is heard when lifting upwards the battery is drained and should be charged immediately.

When the charger is correctly plugged into the lift unit the battery symbol is constantly lit green.

When the lift unit is activated the battery symbol lights up for 2 seconds to show the current battery status.



### NOTE!

Use only a charger intended for the lift unit.

Charge the battery regularly for maximum life time. Do not allow battery charge to fall below 25% (orange battery symbol on the lift unit's information display).

The emergency stop must not be activated when charging.



Replacement of the battery may only be done by authorized personnel.

# Hand control

## Connection of hand control to lift unit

The outlet for the hand control is on the short side of the lift (1). Connect the hand control firmly.

## Raising/lowering

The button with the black arrows raise and lower the lift unit (2). Motion stops as soon as the button is released.

## On/off via hand control

The hand control is equipped with a green on button to activate the lift unit and an off button to shut it off (3). The lift unit automatically shuts off after 4 minutes of inactivity. Normally the lift unit must be activated by the green on button before use.

## Activate/start the lift unit

The lift unit is activated by pressing the green on button on the hand control. When this is done the battery symbol on the lift unit's information display is lit for 2 seconds, showing the current battery status. If the battery symbol does not light and the lift unit does not activate, check that the emergency stop is not activated (pressed in).

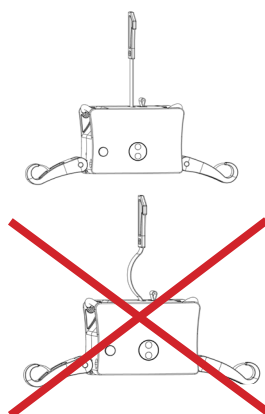
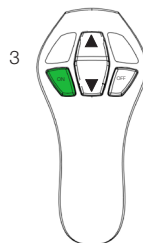
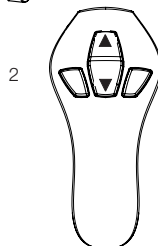
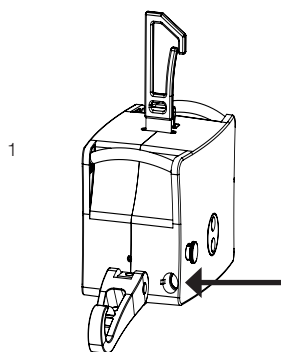
## Active safety

RisePorto has a built in strap protection which means that the lift strap must be loaded with at least 2 kg, or the lift unit's own weight in order to be manoeuvred up or down. This safety feature prevents unloaded slack lift strap to be winded in or out from the lift unit since it may result in a short fall when performing lifts afterwards.

RisePorto automatically stops if the lift strap is unloaded, for example if it is lowered onto a table. If this happens, the lift strap must be stretched by hand in order to be manoeuvred up or down.

If the lift strap is twisted when lifting upwards, the lift unit automatically stops and can only be manoeuvred down.

In order to save battery the lift unit automatically turns off after 4 minutes of inactivity.

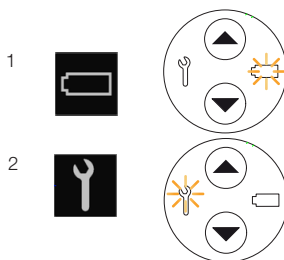




## Information display

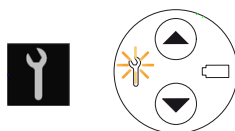
The information display on the long side of the lift indicates battery capacity (1) and if service or maintenance is needed (2). The battery status is shown for 2 seconds upon activation (on) of the lift unit.

More information on respective function can be found under preventive maintenance and charging of the lift unit.



## Preventive maintenance

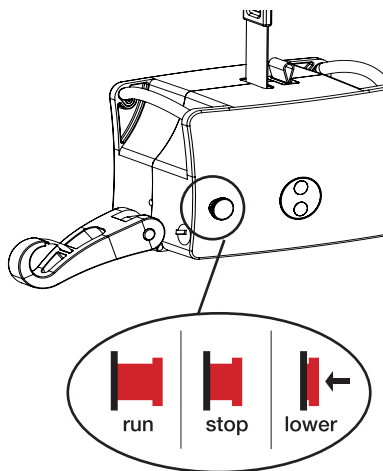
When the lift unit has been used for 12 months the service indicator on the information display will light up and stay lit as long as the lift unit is activated. Contact a Handicare-approved service technician for maintenance and resetting.



## Emergency stop

**To activate the emergency stop:** Push the red emergency stop button on the long side of the lift unit.

**Resetting:** Pull the emergency stop button until an audio signal is heard.




**NOTE!**

If the emergency stop button is held by hand at its most inner position the electrical emergency lowering will be activated. As soon as the button is released the lift unit returns to emergency stop mode.

## Electrical emergency lowering

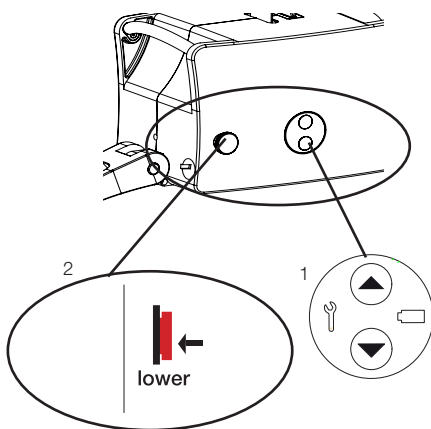
If the hand control does not function, electrical emergency lowering can be done in two ways: Alternative 1, by pressing the down arrow on the lift units information display. Alternative 2, by pressing the emergency stop button to its most inner position and holding it there until the patient is at an appropriate height.

 Emergency lowering should take place only if no other electrical function works.

When using the electrical emergency lowering special attention must be taken to the lift's motion. Lower the patient down to safe height and not any further.

**Resetting:** The emergency stop button automatically goes back to emergency stop mode as soon as it is released. After evaluation of the situation the emergency stop may be deactivated by pulling the button outwards until an audio signal is heard.

Always ensure that emergency lowering takes place in an appropriate location.

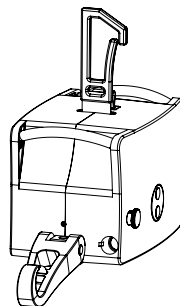


## Manual emergency lowering/raising

Start by removing the round plastic cover plug which is located on the short side of the lift unit. Place the corresponding emergency lowering key into the hole where the plug was located. Turn the key counterclockwise for lowering until the patient is at an appropriate height.

### NOTE!

The manual emergency lowering requires numerous rotations.



## Trouble-shooting

### If the lift cannot be activated, check the following:

- That the emergency stop button is not pushed in.
- That all cables are properly and securely connected.
- That battery charging is not in progress.
- That the battery is charged.
- That the lift strap is loaded.

If the lift unit is not working properly, contact your dealer.

### If the lift makes unusual noises:

- Try to determine the source of the sound. Take the lift out of operation and contact your dealer.

# Accessories

## SystemRoMedic

### Slings

SystemRoMedic offers a wide variety of functional and comfortable high quality lifting slings adapted to meet the different requirements of all kinds of lifting situations and users. The lifting slings are available in four different materials and in sizes ranging from XXS to XXL. All models are safe and very easy to use.



### Assistive devices for positioning

SystemRoMedic includes a wide range of functional, comfortable, high-quality assistive devices for positioning that can be adapted for different types of lifting and for patients with different needs.

### Accessories

Trolley RisePorto	Art. no. 50200008
Trolley with extension strap, 30 cm	Art. no. 50200004
Trolley with extension strap, 70 cm	Art. no. 70200021
Trolley with extension strap, 80 cm	Art. no. 70200022
Trolley with extension strap, 90 cm	Art. no. 70200023
Trolley with extension strap, 100 cm	Art. no. 70200024
Handle for mounting RisePorto	Art. no. 50200005

# Maintenance

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Handicare's service manual. Repairs and maintenance may only be done by authorized personnel using original spare parts.



Spent batteries are to be left at the nearest recycling station. Spent batteries can also be returned to Handicare or a Handicare dealer for recycling.

## Cleaning/disinfection

Clean the lift with warm water or rubbing alcohol. Do not use cleaning agents containing phenol or chlorine, as this may damage the material.

## Storage

To ensure maximum battery life, charge regularly. We recommend that the charger is plugged into the lift unit when not in use. Do not allow battery charge to fall below 25%. Store the lift at a temperature above freezing point, 10 °C to 40 °C, not exceeding normal relative humidity 30 % to 75%. The air pressure shall be between 700 and 1060hPa.

## Service agreements

Handicare offers the possibility of service agreements for maintenance and regular testing of your lift. Contact your local Handicare representative.

# Technical information

<b>Lift motor:</b>	24VDC
<b>Lifting speed:</b>	3.0 cm/s (1.2 inch/s) without load
<b>Charger IN:</b>	Mascot 2215 100-240VAC/ 50-60Hz Max 0,9A
<b>Charger OUT:</b>	41 VDC $\pm 0,3$ Max 0,9A
<b>Batteries:</b>	26,2 VDC (22 pcs. 1,2VDC) 2,5 Ah. NiMH22XAA2500 HR-3U-2500
<b>Motor cover:</b>	Flame-resistant ABS plastic
<b>Hand control:</b>	Electronic
<b>Emergency lowering:</b>	Mechanical and electrical
<b>Lift weight</b>	5,8-6,0 kg, 12,8-13,2 lbs
<b>Lifting range:</b>	200 cm, 78,7 inch
<b>SWL RisePorto450:</b>	205 kg, 450 lbs
<b>SWL RisePorto300:</b>	140 kg, 300 lbs
<b>Sound level:</b>	Unload: 55 dB, Max load: 57 dB
<b>Pressure hand control:</b>	Buttons on hand control: 4 N
<b>Lift measurements:</b>	28,8 x 15,2 x 15,3 cm, 11,3 x 6,0 x 6,0 inches
<b>Intermittent operation:</b>	Op 10/90, active op. max. 2 min. Out of a time of 100, active time must be less than 10, though not more than 2 min.
<b>IP class:</b>	IP X0
<b>Expected service life:</b>	10 years



The device is intended for indoor use.



Type B, according to the degree of protection against electric shock.

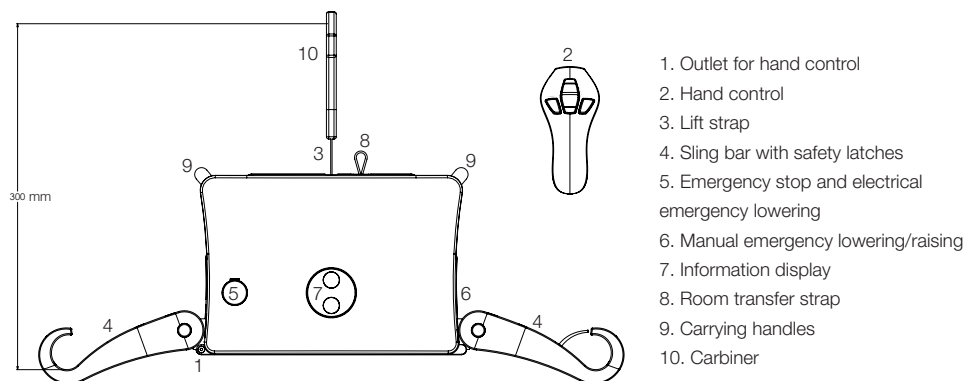


Class II equipment



The product fulfills the demands stated in the MDD 93/42/EEC.

## Detailed description



# SystemRoMedic™

For 25 years we have applied ourselves wholeheartedly to developing smart and easy-to-use assistive devices for easy transfers and to making life and work easier for both patients and personnel in the care sector.

Experience, innovation and training are the basis for SystemRoMedic, a total solution for every imaginable transfer situation.

**Transfer:** products for moving patients between locations.

**Positioning:** products for repositioning in the same location.

**Support:** products that provide mobility support.

**Lifting:** products adapted for lifting.

The philosophy behind SystemRoMedic is to prevent occupational injuries while improving the patient's sense of independence and dignity. Through a combination of training and a complete range of transfer-assistive devices, SystemRoMedic offers the means to improving both the work environment and the quality of care while enabling significant cost savings.

Our mission, to help people, has always been, and will continue to be, the driving force of innovation. We love easy transfers.

Contact your local distributor if you have any questions about the product and its use. See [www.handicare.com](http://www.handicare.com) for a complete list of distributors. Always make sure that you have the right version of the manual. The most recent editions of manuals are available for downloading from our website, [www.handicare.com](http://www.handicare.com)



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